Tidelift

Managed open source for application development teams created in partnership with open source maintainers



Agenda

- Introductions
- Recap of what we know about United States Geological Survey today.

 Members of USGS Team to acknowledge accuracy, add or clarify.
- Tidelift Overview
- Open Discussion, Questions and Answers
- Technical Review
- Next Steps



Tidelift Account Team

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What we've heard from the National Geospatial Technical Operations Center - U.S.G.S team to date:

- The NGTOC USGS sits within the Department of Interior and in the process of transitioning completely to open source (Oracle Apex) which is a large two year effort
 - Also building with Django, Python, Postgress and many others
- Challenges with Dependencies Include:
 - Different versions
 - Open source compatibility (Spring Roo and certain versions of Maven, TomCat)
 - USGS has needed to "find the sweet spot"
 - Identifying and selecting what components to use, each teams have different needs
 - Ensure NGTOC is only working with known safe and secure components which are authorized by DOI.
- Scott has 5 engineers on his team and represents one of seven development teams that all role up to Derek Masaki.
- Scott would like to have Tidelift in use to help manage the open source components being used now and in the future within USGS.

Professional-grade open source software—managed for you. What we like to call Managed Open Source

Tools. The tools to keep track of all the dependencies you use, flag issues, and enforce policies.

Management. Management of core, mission-critical packages on your behalf, including researching and resolving issues so you don't have to anymore.

Maintainers. Recruiting maintainers for many important projects and paying them to proactively prevent problems and address the root causes of issues.

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Tidelift, the managed open source subscription

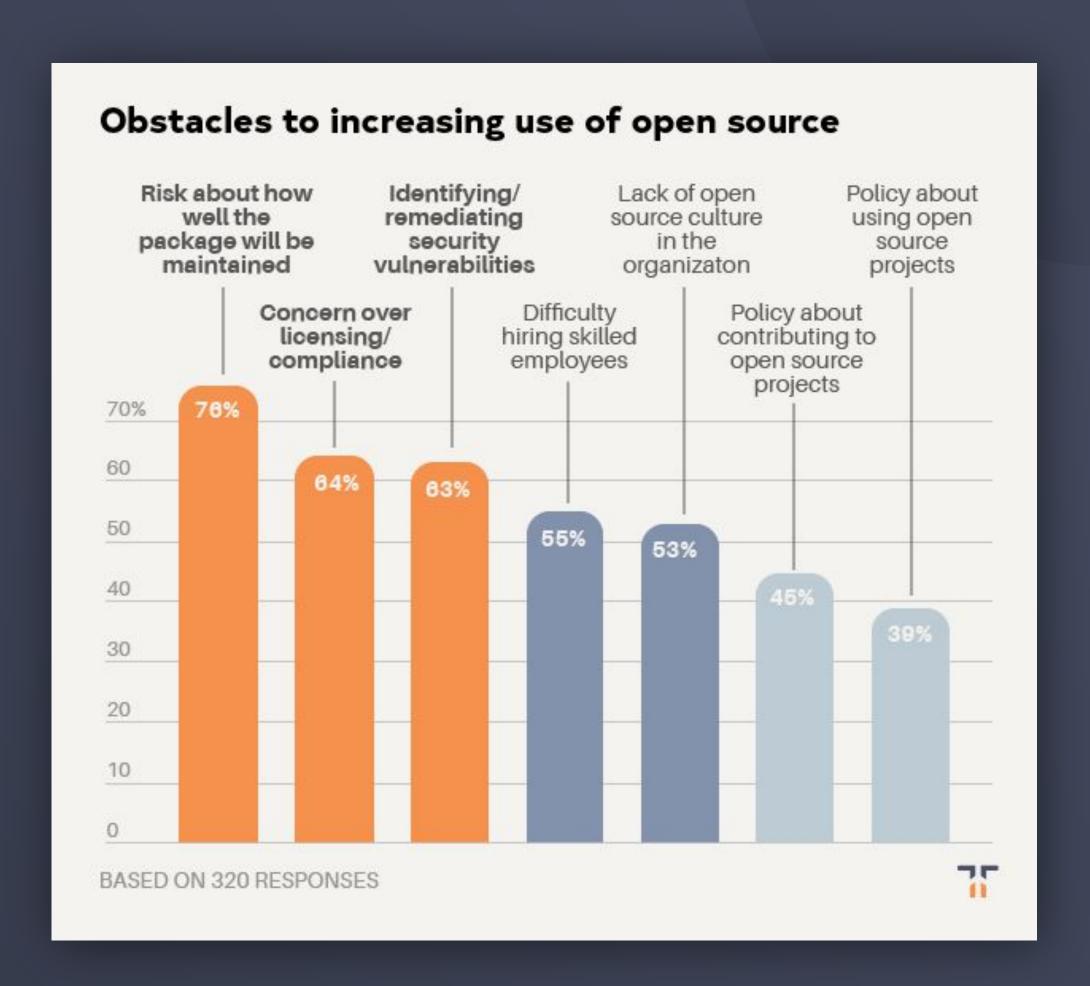
- Enterprise-class open source subscription like Red Hat, MongoDB, HashiCorp or Elastic but covering JavaScript, Python, Ruby, PHP, Java, and .NET
- Helps development teams save time and reduce risk when using open source to build applications
- Thousands of packages directly supported by maintainers as part of the Tidelift Subscription, with new maintainers signing up every day
- Partnerships with Python Software Foundation, Ruby Together, NumFOCUS and more



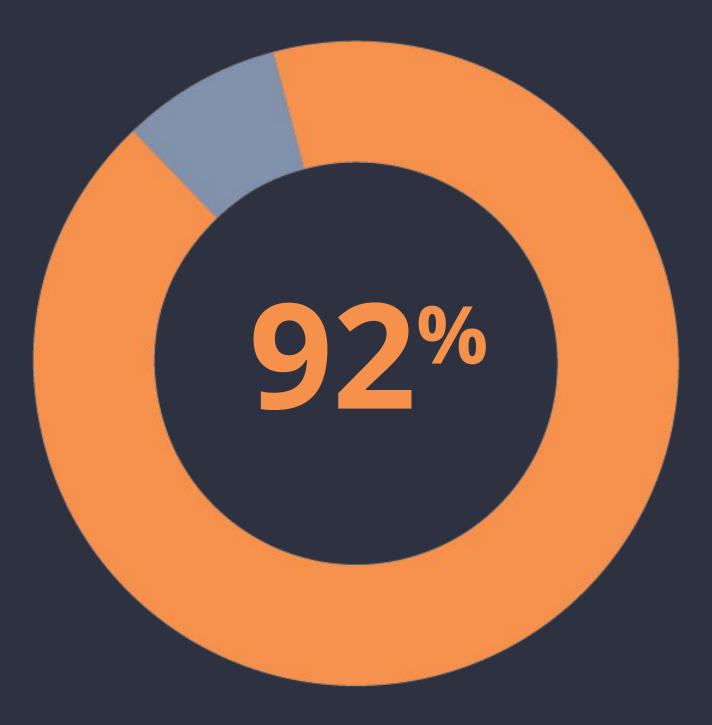
The big three support challenges: maintenance, security, and licensing

In multiple surveys, the biggest obstacles for development teams using open source have been remarkably consistent:

- → Maintenance
- → Security
- → Licensing



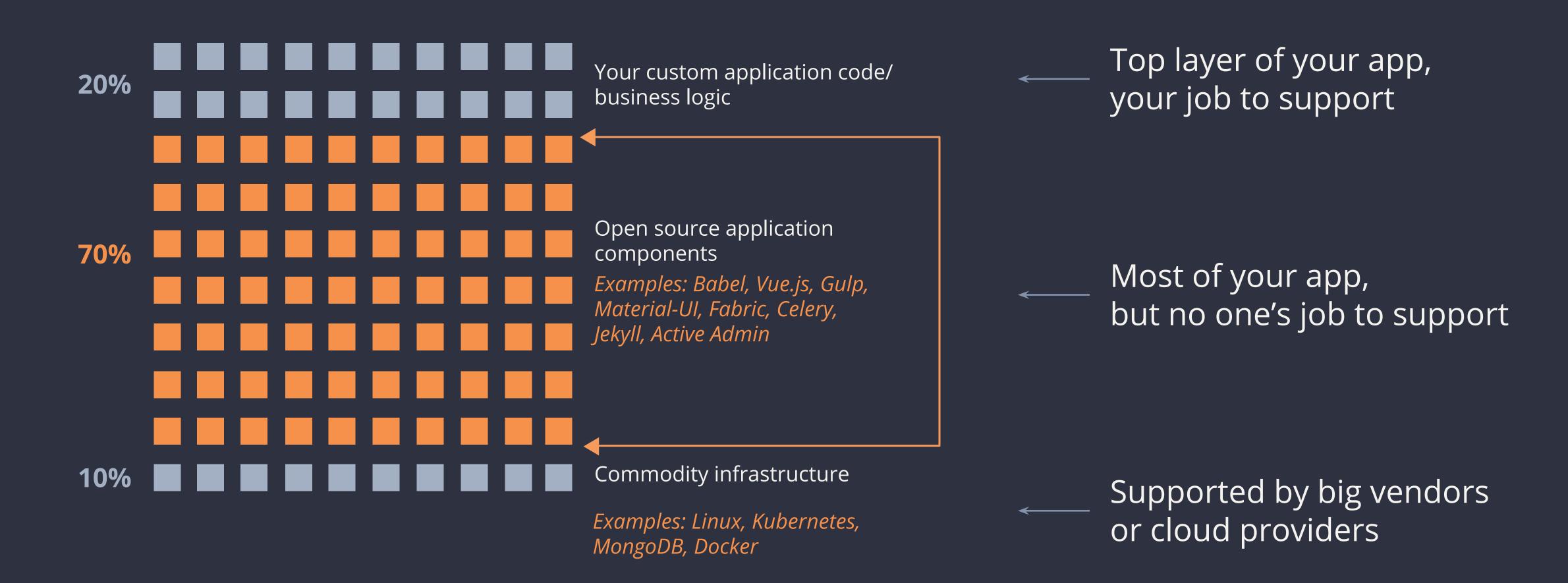
Open source = the modern development platform



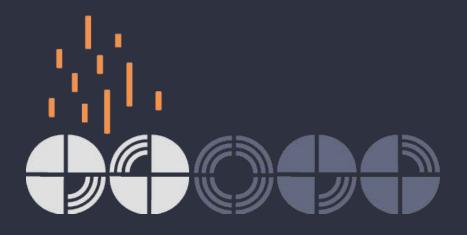
of professional applications contain open source components

- It is fundamental to the development process and essential for building applications
- It is a blessing (productivity boost) and a curse (dependency hell and other maintenance headaches)

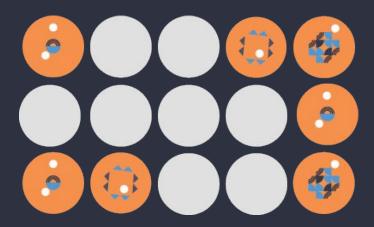
Most applications are built on top of a foundation of 70% or more open source code



Key benefits of the Tidelift Subscription



Security updates



Package selection and version guidance



Licensing verification and indemnification



Roadmap input

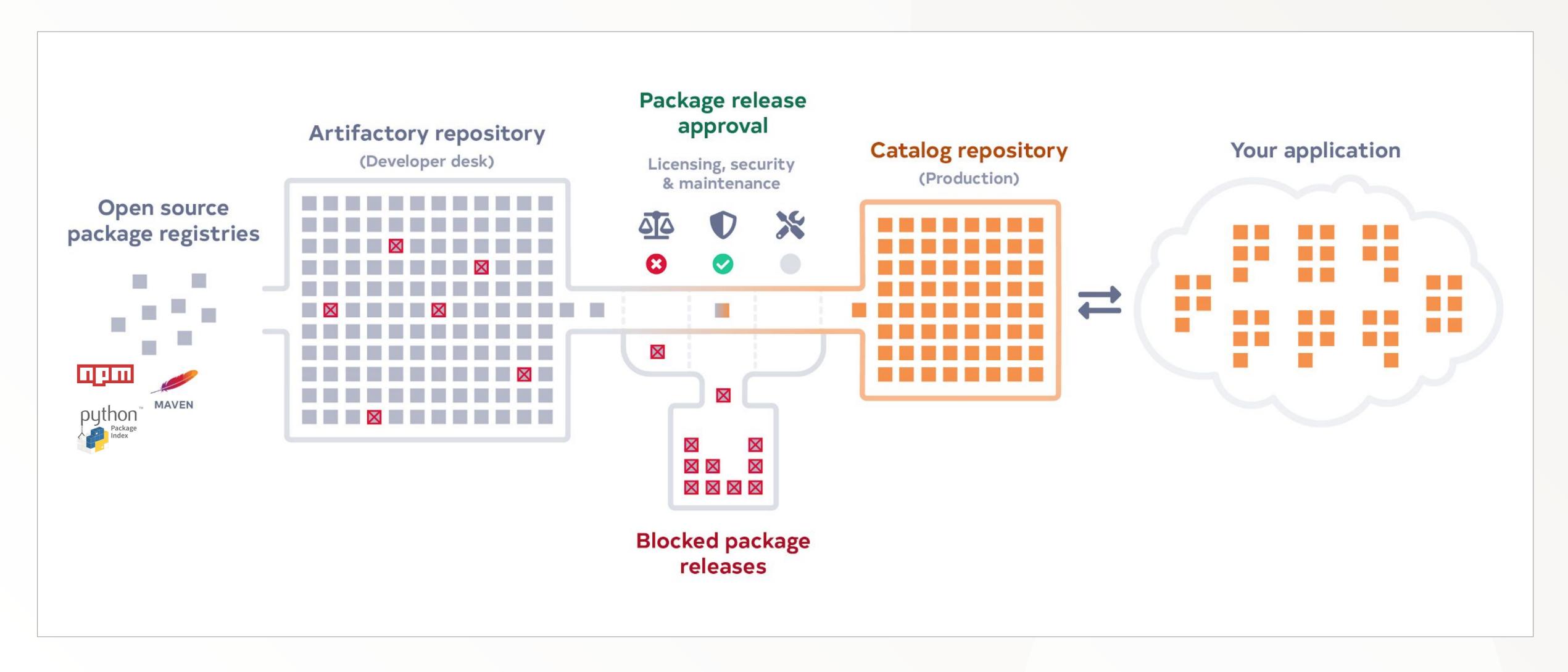


Maintenance and code improvement



Tooling and cloud integration

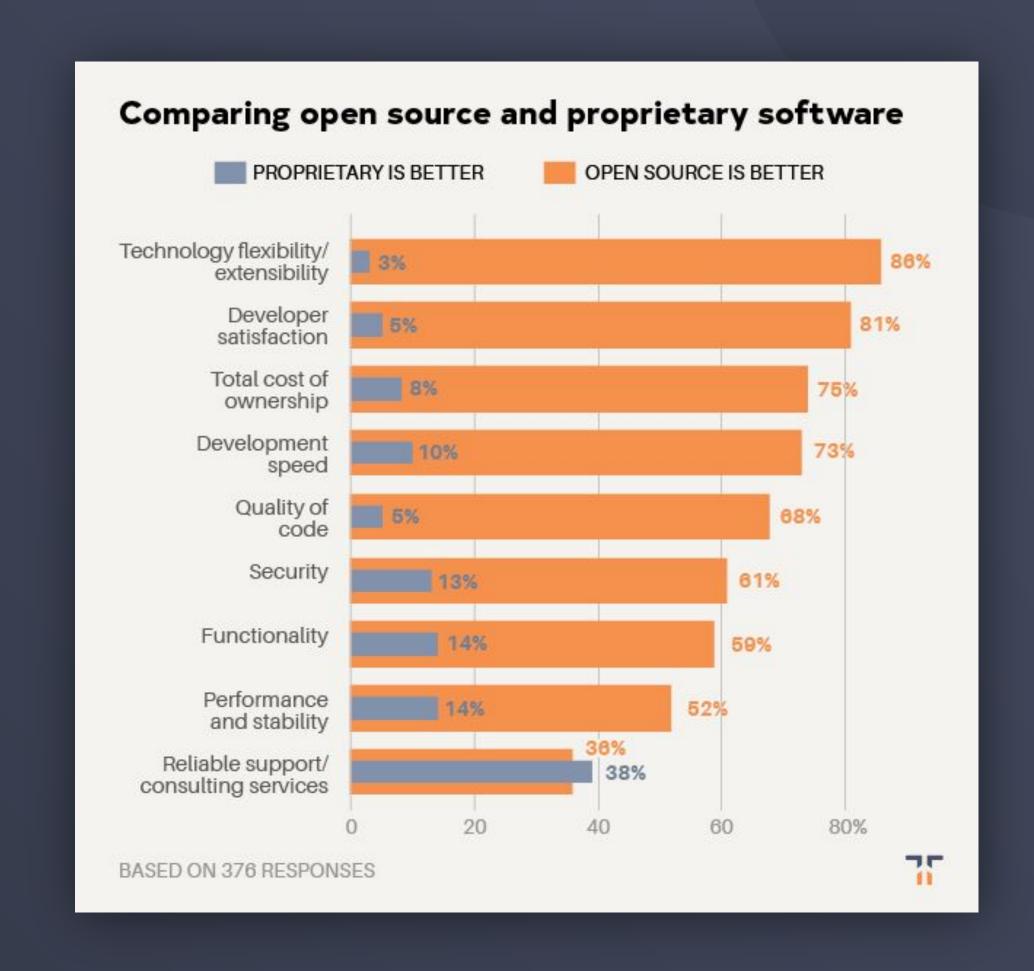
How packages move from upstream to production



Who's supporting the 70% of components you use to build your apps?

Historically, reliable support for open source is the only pain reported by many development teams.

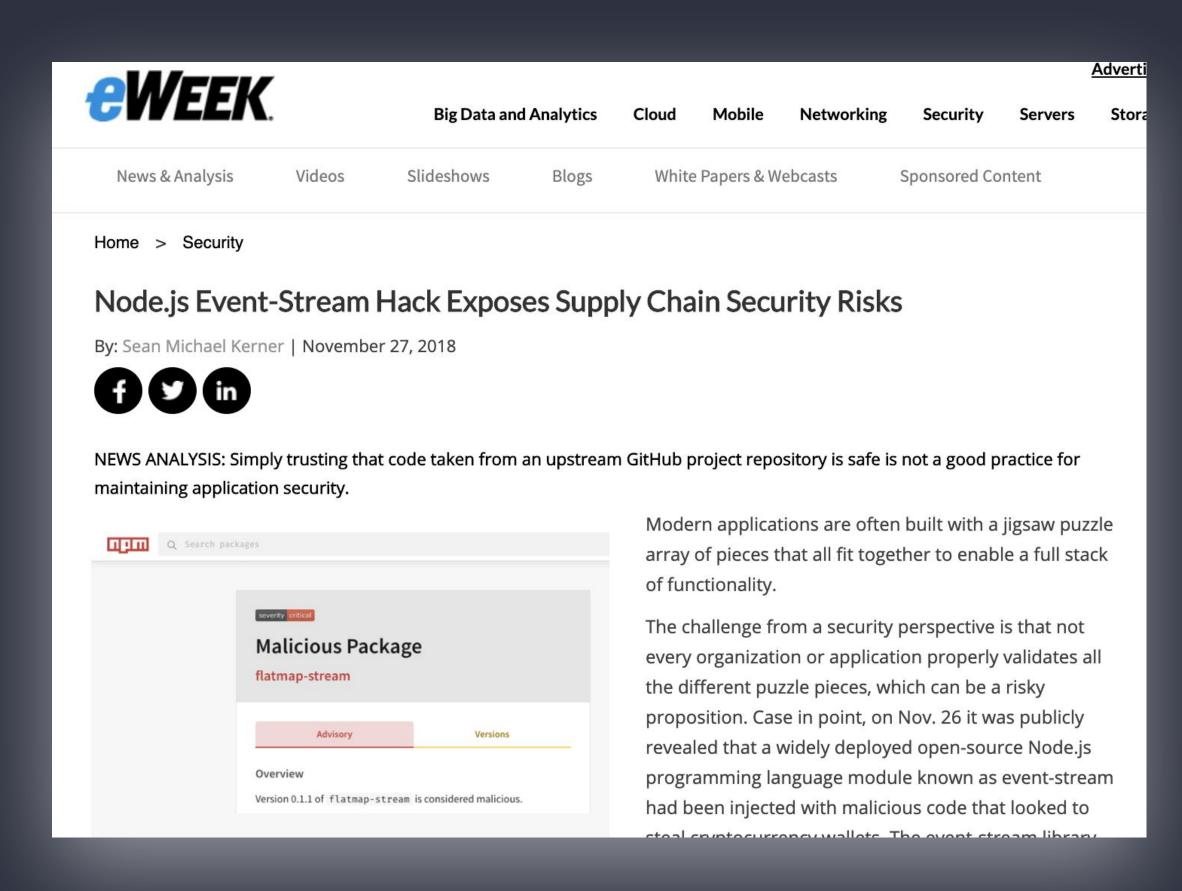
Open source outclasses proprietary software in every other category.



What can happen when code isn't professionally maintained?

One example:

event-stream, an npm package with over 100 million downloads and no active maintainer, is taken over by a malicious actor trying to steal bitcoin.



Other horror stories





A NEW APPROACH

Managed Open Source

A way for application development teams to offload the complexity of managing open source components.

Save time. Reduce risk.



The Tidelift Subscription

Managed open source for application development teams

The Tidelift Subscription is a managed open source subscription for application dependencies covering millions of community-led open source projects across JavaScript, Python, Java, PHP, Ruby, .NET, and more.

Save time. Reduce risk.







Security updates

Tidelift's security response team coordinates patches for new security vulnerabilities and alerts immediately through a private channel, to keep your software supply chain more secure.

design-system > scan #413

These issues are blocking your build.

lodash 4.17.11

(786KB; npm package in your manifests)

This package is potentially vulnerable to CVE-2019-10744.

Consider switching from 4.17.11 to 4.17.15 see all versions

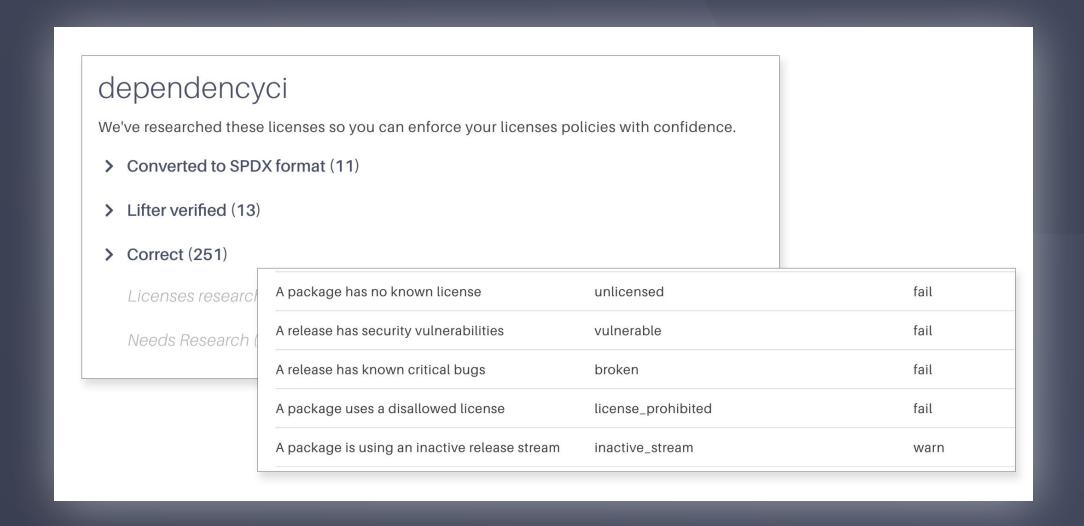
This is a direct dependency, so you can fix this yourself by upgrading this package.





Licensing indemnification and verification

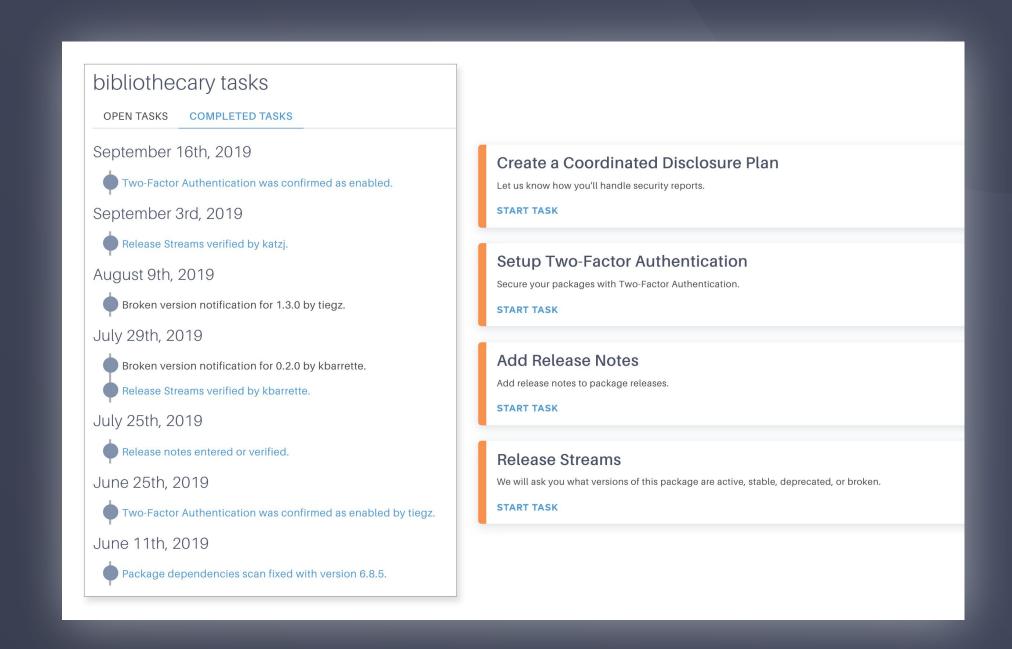
Tidelift verifies license information to enable easy policy enforcement and adds intellectual property indemnification to cover creators and users in case something goes wrong.



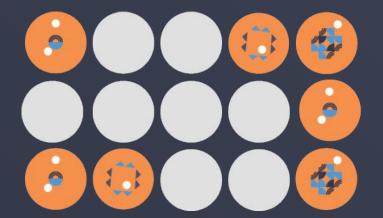


Maintenance and code improvement

Tidelift ensures the software you rely on keeps working as long as you need it to work. Your managed dependencies are actively maintained and we recruit additional maintainers where required.

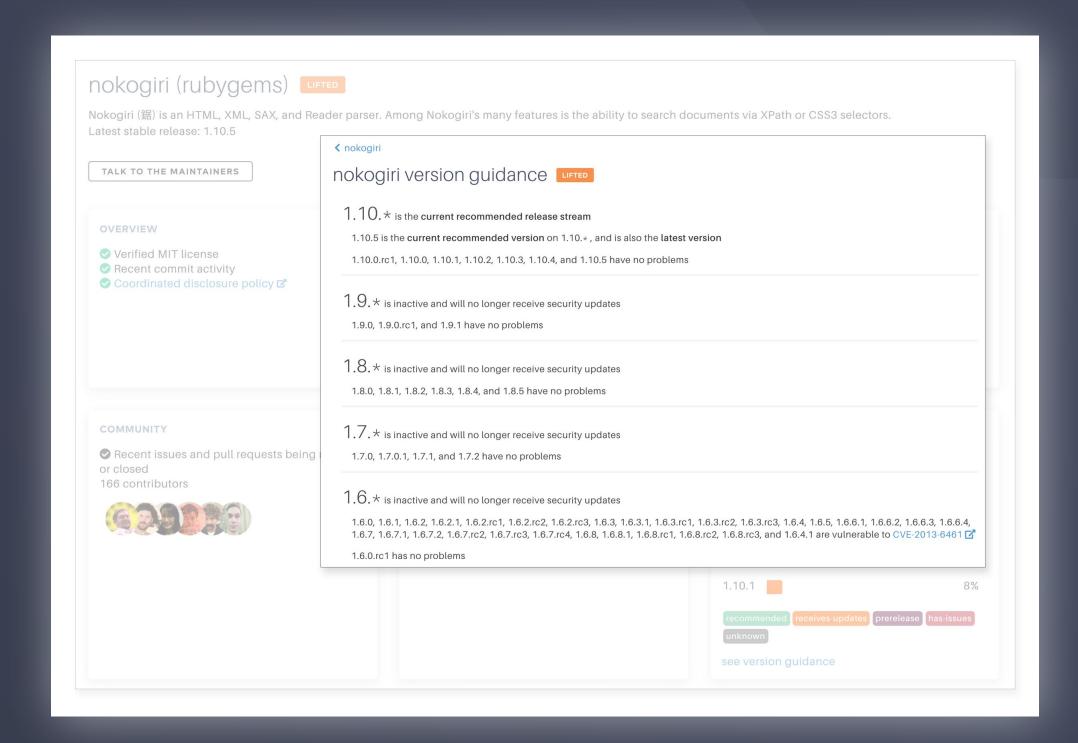






Package selection and version guidance

We help you choose the best open source packages from the start—and then guide you through updates to stay on the best releases as new issues arise.

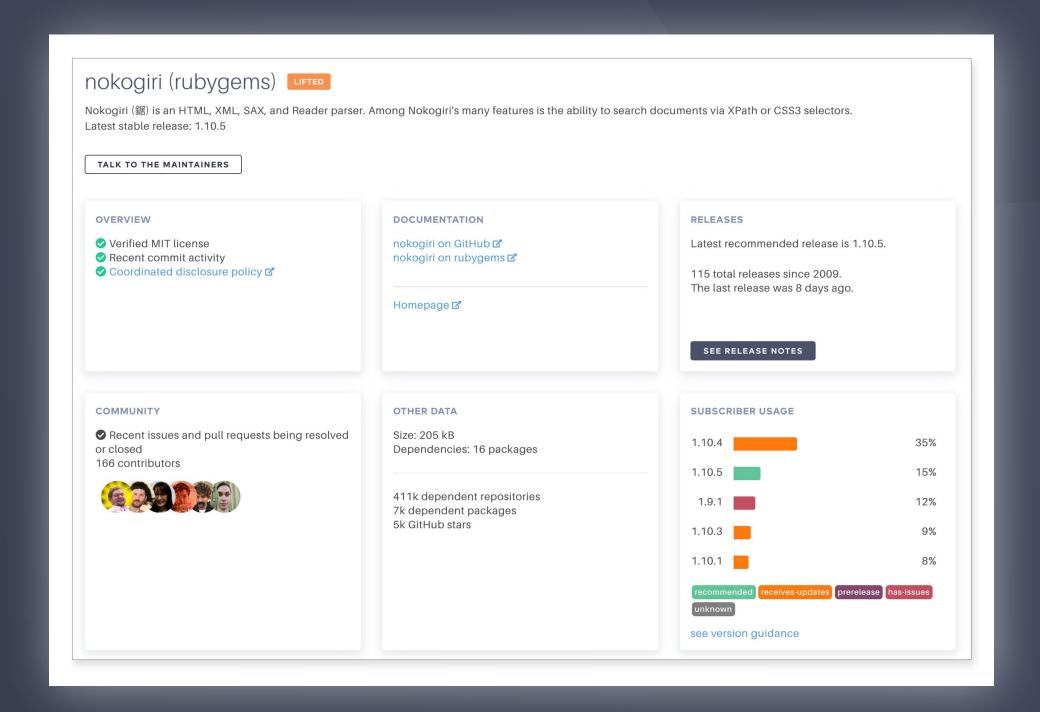






Roadmap input

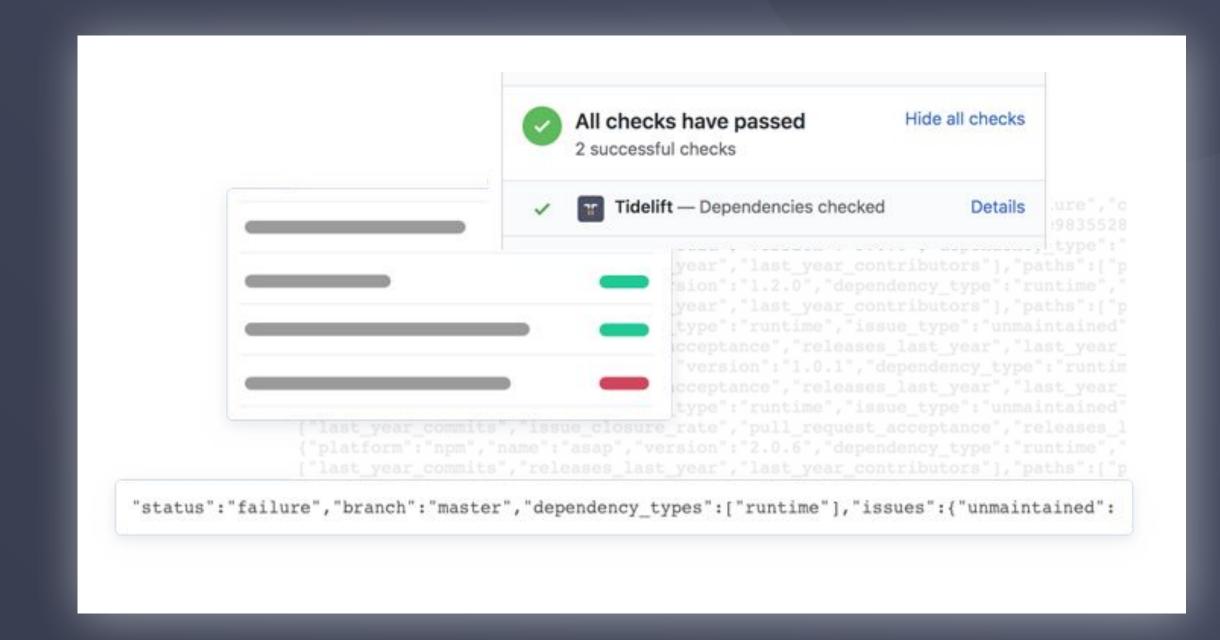
Take a seat at the table with the creators behind the software you use. Tidelift's participating maintainers earn more income as their software is used by more subscribers, so they're interested in knowing what you need.





Tooling and cloud integration

Tidelift works with GitHub, GitLab, Bitbucket, and more. We support every cloud platform (and other deployment targets, too).



Bottom line:



All the capabilities you expect and require from commercial software.

But now, for all of the key community-led open source software you depend on.

Thankyou